Course Content Data Analytics using R and Excel

Day 1 & 2 Basic Stats

Day 3 & 4 Introduction and Data Analytics

Introduction to Analytics – Overview

- Analytics v/s Analysis

Data - Topic covered

- Summarizing Data
- Outlier Treatment

Day 5, 6 & 7 Linear Regression

Linear Regression – Topic Covered

- Correlation and Regression
- Multivariate Linear Regression Theory
- Bivariate Analysis
- ANOVA (Analysis of Variance)

Case: Multivariate Linear Regression

- Identify and Quantify the factors responsible for loss amount for an Auto Insurance Company

Domain Covered

- Insurance Industry

Day 8, 9 & 10 Logistic Regression

Logistic Regression – Topics Covered

- Identifying problems in fitting linear regression on data having "Binary Response" variable
- Generalized Linear Modeling (GLMs)
- Logistic Regression Theory/Case
  - Fitting the regression
  - Lift/Gains chart and Gini coefficient
  - K-S stat

Case: Multivariate Logistic Regression

- Identify bank customers who will most likely default in making the payment on balance due.

Domain Covered Banking Industry

Day 11, 12 & 13 Decision Tree and Clustering

Decision Tree & Clustering – Topic Covered

- Data Mining and Decision Trees
- CHAID analysis
- CART
- Why and Where to use Clustering
- Clustering methods
- K-means Clustering Algorithm

Case: CHAID & CART Analysis

- Identifying the classes of customer having higher default rate

Case: K-means Clustering

- Identifying similar groups in database containing auto insurance policy records using K-means Clustering

Domain Covered

- Insurance and Banking Industry

Day 14 Market Basket Analysis

Association Rule – Topic Covered

- Affinity analysis to understand purchase behavior
- Understanding Apriori algorithm
- Analysis of output results to plan store layout, promotions and recommendations

Case : Market Basket Analysis

- Understanding apriori algorithm to identify affinity among the purchase data in the basket based on historical transactions.

Domain Covered

- Retail Industry

Trainer's Profile: Trainer is Working Consultant from IBM with 10+ years of Consulting and Training Experience. Learning Hub strictly follows the policy of employing working Hadoop Professional as a Trainer and by this only we can maintain the quality of the training.

Course Duration: 14 Days (Around 42 Hours) of Class Room Training. 7.00 AM to 10.00 AM IST everyday (Weekdays)

Course Fee: 25,000 INR.

Mode of Payment: Cash, Cheque, Credit Card

Trainer's Contact Details: Ph. +91-9325793756

(Email: info@hadoopschooloftraining.com):

Mode of Training: This would be a class Room Based Training and all class will be covered Practical Hands on.

Books and Study Material: Hadoop School of Training will provide all Study Material and Books for this course in Soft Copy format.

Self-Practice Required: If you are looking to get into Hadoop Developer roles so please dedicated 100-150 Hrs. of Self-study and Practice in order to get command on the system and then only you can easily clear's Hadoop Developer's Interviews.

Background Need to get into this course: This course suits to the people who are coming from Technical Degree Background (BE, MCA, MSc. etc.).